

## **Unvalidated Soil/Sediment Levels Compared to Screening Levels**

Metal levels in 21 sediment samples collected on August 11, 2015 from the Animas River do not exceed the Recreational Screening Levels that were adopted by Regions 6, 7, 8 to protect recreational users of the Animas River. Samples are 5 point composites. Each composited aliquot was collected from a depth of 0-2 inches and homogenized in the field. Course mineral fractions and biological material were removed to the extent practical in the field.

**Table 1. Screening levels and number of exceedances of sediment collected on August 11, 2015 in the Animas River, Colorado**

Analyte	Recreational Screening Level (mg/kg)	Number of Recreational Screening Level Exceedances	Sediment Range (mg/kg dw)
Aluminum	3,300,000	0	3720-8930
Arsenic	4200	0	3.69-21.7
Barium	670,000	0	58.3-208
Beryllium	6700	0	nondetect
Cadmium	1700	0	1.63-4.22
Chromium (Total)	4,300,000	0	2.53-6.34
Cobalt	1000	0	6.78-15.7
Copper	130000	0	36.8-118.0
Iron	2,300,000	0	10500-34700
Lead	20,000	0	86.8-496
Manganese	160,000	0	1300-3650
Mercury	1000	0	Nondetect-0.05
Nickel	67,000	0	4.68-11.6
Thallium	33	0	Nondetect- 1.98
Vanadium	830	0	11.0-20.3
Zinc	50,000	0	489-1360